

Nuts and Bolts

SPACE HISTORY CHALLENGE™

- Who is credited with being the father of rocketry?
 - Alexander Nasa
 - Robert Goddard
 - Wernher von Braun
- How many astronauts did NASA select originally for the Mercury program?
 - 7
 - 12
 - 20
- What is the approximate escape velocity needed to leave the Earth's orbit?
 - 767 mph (the speed of sound)
 - 25,000 mph
 - 670,000,000 mph (the speed of light)
- Which was the first Space Shuttle to successfully launch into space?
 - Endeavour*
 - Discovery*
 - Columbia*
- How many astronauts flew in each Gemini capsule?
 - 2
 - 3
 - 4
- Which Space Shuttle never flew into space?
 - Challenger*
 - Enterprise*
 - Atlantis*
- Who was the first American to fly into space?
 - John Glenn
 - Michael Collins
 - Alan Shepard
- What does NASA stand for?
 - National Aerospace and Science Agency
 - National Advisory Service for Aeronautics
 - National Aeronautics and Space Administration
- What phrase did astronaut Jim Lovell say to Mission Control to notify them of problems with the *Apollo 13* mission?
 - Uh, Houston, we've had a problem.
 - Mission Control, we're at red alert.
 - Houston, we have a problem.

Answers:

- (B)
- (A) The "7" in spacecraft names honors those original Mercury astronauts.
- (B)
- (C) It first launched on April 12, 1981.
- (A)
- (B) The *Enterprise* was used for approach and landing tests.
- (C) Alan Shepard's flight on May 5, 1961 was suborbital and lasted 15 minutes.
- (C)
- (A) Jack Swigert originally said, "Okay, Houston, we've had a problem here." When asked to repeat, Jim Lovell responded, "Uh, Houston, we've had a problem," and continued, "We've had a main B bus undervolt."

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